

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE

May 3, 2000

Maricopa Association of Governments Office, Ocotillo Room
302 North First Avenue
Phoenix, Arizona

VOTING MEMBERS

Carl Doak, Chandler
Stacy Caudell, Peoria
Mark Weiner, Gilbert
*Brian B Pirooz, Peoria
Pat Thurman, Glendale
*Jeff Van Skike, Phoenix (St. Trans.)

David Ramirez, Goodyear
Roger Olsen, Phoenix (Water)
Ted Collins, MCDOT
*Rod Ramos, Scottsdale
*Bob Erdman, MCDOT
*Andy Goh, Tempe
Doug Davis, Mesa

ADVISORY MEMBERS

*James Pulice, Jr., AGC
*Jeff Benedict, ARPA
*Jim Grose, AGC
*Peter Kandarlis, SRP Engineering

Paul Nebeker, UTCA
*Mike Bonar for Sean Goris, ACEA
*Tom Domizi, UTCA

MAG ADMINISTRATIVE STAFF

Paul Ward
Laura Stegall

GUESTS/VISITORS

None

* Members not in attendance or represented by proxy.

1. Call to Order

The meeting was called to order at 1:32 p.m.

2. Approval of Minutes

The minutes from the meeting of April 5, 2000 were reviewed by the members. Carl Doak introduced a motion for a vote and Mark Weiner seconded the motion. A voice vote of all ayes and no nays were recorded. The minutes were approved with no exceptions.

3. Submitted Cases:

- a. **Case 00-02 - Section 630 - Reduced Wall Resilient Seated Gate Valves:** Roger Olsen provided a revised wording as discussed in the last meeting. The wording will permit the reduced wall resilient seated gate valves in the Specification and modify the Specification to allow 14" valves. None of the members present had any comments regarding the case. If no further comments are brought forward in the next meeting, the case should be ready

for a vote.

- b. **Case 00-03 - Detail - Speed Hump:** Stacy Caudell and Carl Doak provided written (memo) comments regarding the case. Roger Olsen (representing Jeff Van Skike) noted that the City of Phoenix does not mill the edges per the proposed detail. Doug Davis suggested that the detail be drawn to permit both methods. The standard will be the milled edges where the saw cut and remove will be the alternate. In response to last meetings questions from Andy, Doug reported that the design speed on the Mesa speed hump detail was 20 to 25 mph however, a speed of 20 mph is posted. Also, the vehicle that created the problem with the 12-foot design was the extended van for Dial-a-Ride.
- c. **Case 00-04 - Detail - Standard Trench Plating Detail -** The following discussion was provided from various members on this case. Roger Olsen, Pat Thurman, Mark Weiner and Doug Davis suggested that the spikes be deleted from Type A. Roger Olsen requested that the detail be clarified in regards to the depth of asphalt that will need to be removed and replaced for the pavement patch. The pavement patch will require more than one 1 inch of asphalt removal for the plates. Most members agreed. Pat Thurman asked if any agency preformed structural calculations on the plates. No member indicated that any calculations had been done. Paul Nebeker had one of the plate providers to preform calculation on one of his projects. Paul and Mark noted that plates thicker than 1" are available. Paul suggested that spot welding the plates together should be an option to help hold the plates in place (Note 7). Also, most plates are not 4 x 8 as specified in the detail. The more common sizes are 4 x 10 or 5 x 10. Doug Davis suggested that the size should be deleted from the detail as long as the minium sizes in the plan view be maintained. Pat suggested that one of the plate providers be consulted and/or provide comments to the committee.
- d. **Case 00-05 - Miscellaneous Corrections:** There were no discussion or comments regarding the two correction cases.
- e. **Case 00-06 - Detail 422 - Brick Sewer Manhole & Cover Frame Adjustment:** Ted Collins provided the necessary modification to Detail 270 to maintain uniformity in the case. Ted was informed that other details will need to be reviewed to provide uniformity. Details such as 392, 289, 392-C, etc. will need to be reviewed and modified. Pat Thurman discussed the coloring of the concrete. Most cities that use the standard do not color (black) the concrete. Doug Davis suggested to installation a #three reinforcement bar in the concrete to provide extra strength and to hold the concrete together when cracking occurs. All of the Cities that use this detail do not place reinforcement in the concrete and has not experienced any problems.

4. New Cases:

- a. **Case 00-05 - Miscellaneous Corrections:** Roger Olsen submitted two cases for corrections. The first was an error in a page number. Page 772-4 should be changed to 772-3. The second was a spelling error in paragraph 109.4.1 (A), fourth line, last word. The word should be changed from "until" to "unit."
- b. **Case 00-07 - Section 615.10 (B) - Hydrostatic Test:** Roger Olsen submitted a case

revising the allowable water loss for the sanitary sewer ex filtration test. The losses as stated in the present Specification do not meet the State Environmental requirements. This case will bring the Specifications into compliance. The present Specifications allows 0.5 gallons per hour per 100 feet (633.6 gallons/day/mile/inch-dia.). The State minimum is 200 gallons per day per mile per inch dia. Doug Davis suggested that the proposed specification be changed so that the units will remain the same (gallons/hour/100 feet/inch dia.). This will be less confusing to the inspectors.

5. General Discussion:

- a. Doug Davis announced that the Metric version of the Specifications and Details are on sale at the MAG Office.
- b. Doug Davis advised the committee that the MAG admin. staff will begin the conversion of the Metric Details to English dimensions this month.
- c. In an earlier meeting, Carl Doak asked for information from the other Cities regarding boring under the streets by the communication companies. He has not received any comments thus far. Chandler has seen a number of problems with the pneumatic type of boring. The pneumatic bores create humps in the surface of the street. He had been informed that Phoenix required directional boring for all boring and later changed their policy. Based on information provided to him, bores in the depth range of 36 inches do not cause a problem. However, problems will occur in the ranges of 18 - 24 inches.
- d. Carl also informed the committee that the next meeting will be his last. He will be retiring on June 29, 2000. As of the June meeting, Carl has served 15 ½ years on the committee. Seven of the years (1990-1996), he served as the chairman. If his successor is selected before the next meeting, he will introduce him to the committee at the June meeting.

5. Adjournment:

The meeting was adjourned at approximately 3:00 p. m.